RISO, INC. **TECHNICAL INFORMATION BULLETIN**

Subject: INSERTION MECHANISM INDEXING **BULLETIN NO.: 108**

[ ] Factory Modification **[ ] Field Modification** **[ ] Safety Information** **[X] Technical Information** **[ ] General Information** **[ ] Adv. Tech Information**	**Applies to:** **M60 / S60 SORTER**	**Modification Schedule:** **[ ] TBS** **[ ] Next Call** **[ ] Next PM** **[ ] As Necessary**	**Factory Installed_____** **Field Installed_____** **FittingTime _____**

IF THE M60 INSERTION MECHANISM FAILS TO INDEX, OR THE PRINTED SHEETS ALL STACK INTO ONE POCKET, THE PROBABLE CAUSES ARE AS FOLLOWS:

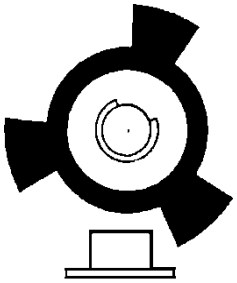
1. The Index Vane Assembly has stopped with one of its vanes blocking the Index Sensor. Occurrences will usually be intermittent, and at a pocket (bin) other than number one.

   To resolve this situation, reposition the “Home Position” switch. (See adjustment instructions).

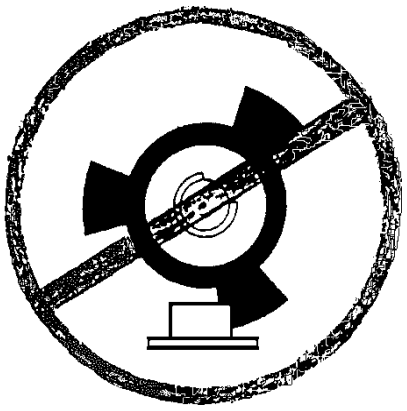
2. Inoperative Insertion Detector.

   Observe Insertion Detector LED to determine whether the detector is functioning or not. Also, check the LED operation at the DDS Controller Board.

CORRECT POSITIONING



INCORRECT POSITIONING



HOME SWITCH ADJUSTMENT: Reference DDS-60 Service Manual, pgs. 24-25

1. The function of the Home Switch is to identify pocket (bin) number one during recycle. If the home switch is misadjusted, the Insertion Mechanism will not stop in the correct position (bin) at pocket one. When properly adjusted, the stopping positions of both the Insertion Mechanism and the Index Vane will be the same after recycling as they are when indexing.

2. To ascertain the index vane's normal index stopping position, program the Risograph for ten copies. After six to seven sheets have been sorted, stop the sorting process by opening a door interlock. Remove any sheets in transit. Next, take note of the index vane position. This is how it should look after recycling to pocket one. Close the interlock and actuate the system recycle switch.

3. If the vane position is not positioned the way it should be after recycling, proceed as follows:
   a. Open an interlock.
   b. Manually move the insertion mechanism downward to access the Home Switch.
   c. Loosen the two switch bracket screws and reposition the switch either higher or lower to change the stopping position of the vane. Moving the switch up will move the vane stop position clockwise, down - counterclockwise.
   d. Repeat the verification procedure to ensure that both index and recycle stopping positions are the same.

Reference Flow Charts, Service Manual pg. 56

1. If the Insertion Mechanism does not index and the Vane LED is not lit, check the Vane Sensor for blockage, open (unplugged) circuit or defective sensor.

2. If the Insertion Detector is functioning, monitor the LED on the Detector or on the DDS Controller Board.

3. If the Insertion Detector is not functioning, but 12VDC is present, check the Emitter Detector for an open circuit, (unplugged) on Detector or for a defective detector.